

WHAT IS CLAIMED IS:

1. A sheet conveying apparatus comprising:
sheet conveying means for conveying a sheet;
a movable conveying guide which guides the
5 sheet conveyed by said sheet conveying means;
a movable sheet conveying rotating body which
conveys the sheet guided by said conveying guide; and
moving means for moving said conveying guide
and said sheet conveying rotating body from a sheet
10 conveying position to each retracting position
separating from the sheet conveying position,
wherein a peripheral surface of said sheet
conveying rotating body is projected from a sheet
guiding surface of said conveying guide when said
15 sheet conveying rotating body is located at the sheet
conveying position, and the peripheral surface of
said sheet conveying rotating body is retracted from
the sheet guiding surface of said conveying guide
when said sheet conveying rotating body is located at
20 the retracting position.
2. A sheet conveying apparatus according to
claim 1, wherein a moving distance of said sheet
conveying rotating body moved by said moving means is
25 set longer than the moving distance of said conveying
guide.

3. A sheet conveying apparatus according to claim 1, further comprising a movable arm member which has said sheet conveying rotating body, wherein said arm member is moved by said moving means.

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4. A sheet conveying apparatus according to claim 3, further comprising interlocking means interlocked with said moving means and moves said conveying guide when said arm member is moved by said moving means.

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5. A sheet conveying apparatus according to claim 4, wherein said interlocking means is retracted from the sheet guiding surface of said conveying guide and then moves said conveying guide when said sheet conveying rotating body is moved to the retracting position by said moving means.

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6. A sheet conveying apparatus according to claim 4, wherein said interlocking means has a pair of abutting portions which is provided in said conveying guide and said arm member and which can be separated from each other, and the pair of abutting portions moves said conveying guide in such a manner that the pair of abutting portions abuts on each other.

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7. A sheet conveying apparatus according to claim 4, wherein said interlocking means has an elastic body which interlocks said conveying guide with said arm member, and said arm member moves said
5 conveying guide through the elastic body.

8. A sheet conveying apparatus according to claim 3, wherein said moving means has a cam which moves said arm member in such a manner that the cam
10 is rotated while the cam is always in contact with said arm member.

9. A sheet conveying apparatus according to claim 3, wherein energizing means for energizing said
15 conveying guide to a side of the sheet conveying position is provided between said conveying guide and said arm member.

10. A sheet conveying apparatus according to claim 1, wherein said plurality of sheet conveying
20 rotating bodies is alternately arranged on opposite rotating axes.

11. A sheet post-processing apparatus
25 comprising:

a sheet conveying apparatus according to claim 1; and

sheet post-processing means for performing processing to a sheet stored in said conveying guide.

12. A sheet post-processing apparatus according
5 to claim 11, wherein said sheet conveying means, said conveying guide, said sheet post-processing means, and said sheet conveying rotating body are substantially arranged in line.

10 13. A sheet post-processing apparatus according to claim 11, further comprising a pair of conveying guides oppositely provided in a vertical direction, wherein said conveying guide is the upper side one in said pair of conveying guides, and said sheet post-
15 processing means performs processing to a sheet stacked on the lower side one of the fixed conveying guide opposite to said conveying guide.

14. A sheet post-processing apparatus according
20 to claim 11, further comprising returning means for rotating the sheet stored in said conveying guide to an upstream side in a sheet conveying direction to return the sheet, wherein said conveying guide and said returning means are provided while rotating
25 centers of said conveying guide and said returning means are located at the same position.

15. A sheet post-processing apparatus according to claim 11, comprising:

5 a first processing mode which positions said sheet conveying rotating body at the sheet conveying position, passes the sheet through said conveying guide with said sheet conveying rotating body to convey the sheet; and

10 a second processing mode which moves said sheet conveying rotating body to the retracting position, intermediately stores the predetermined number of sheets in said conveying guide at a position where the conveyed sheet is passed through said sheet conveying means, performs post-processing to the predetermined number of sheets with said sheet post-
15 processing means, moves said sheet conveying rotating body to the sheet conveying position, and conveys a bundle of the predetermined number of sheets with said sheet conveying rotating body.

20 16. An image forming apparatus comprising:

image forming means for forming an image in a sheet; and

a sheet conveying apparatus which conveys the sheet,

25 wherein said sheet conveying apparatus is said sheet conveying apparatus as in one of claims 1 to 10.

17. An image forming apparatus comprising:
image forming means for forming an image in a
sheet; and

a sheet post-processing apparatus which
5 performs post-processing in which an image is formed
by said image forming means to the sheet,

wherein said sheet post-processing apparatus is
said sheet post-processing apparatus as in one of
claims 11 to 15.